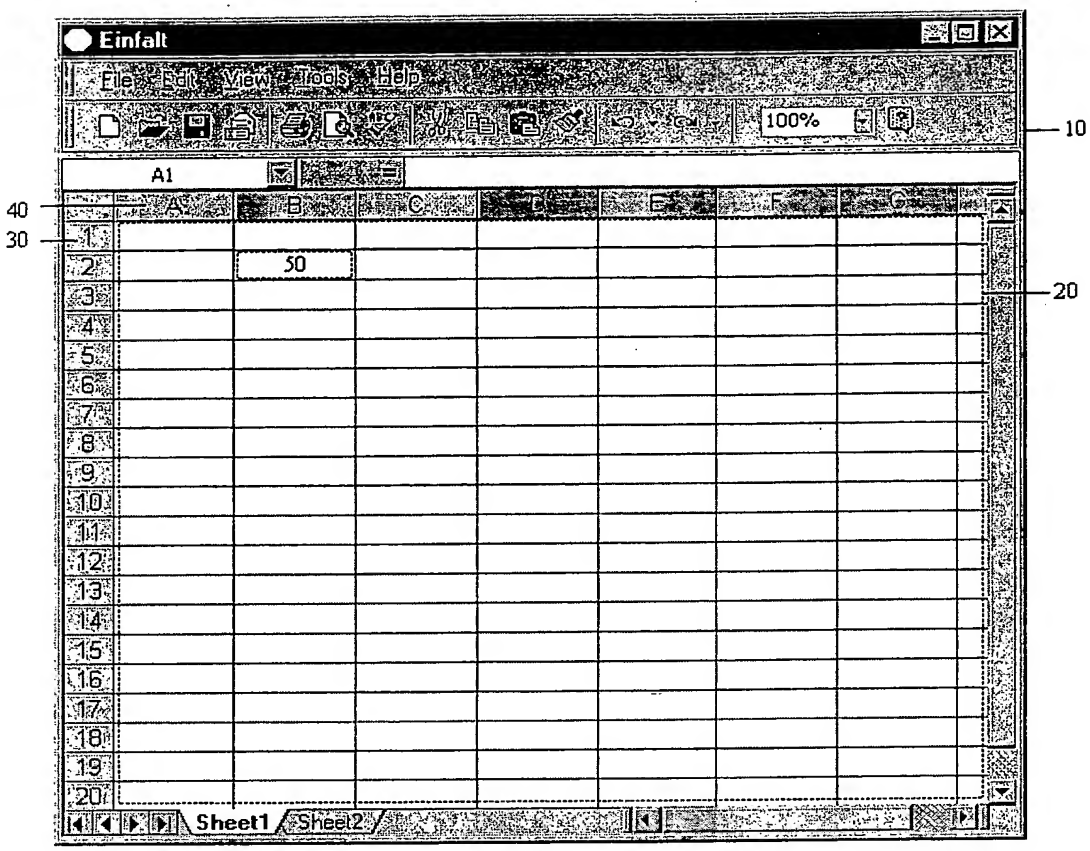
Einfalt
File Edit View Tools Help
100%
A1
50
Sheet1
Sheet2
10
20
30
40

FIG. 1

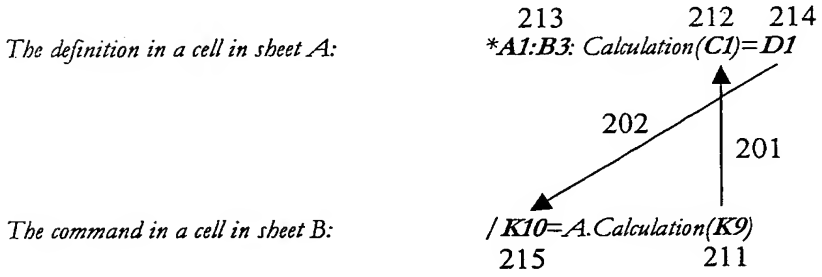
213
212
214
The definition in a cell in sheet A:
*A1:B3: Calculation(C1)=D1
202
201
The command in a cell in sheet B:
/ K10=A.Calculation(K9)
215
211

FIG. 2

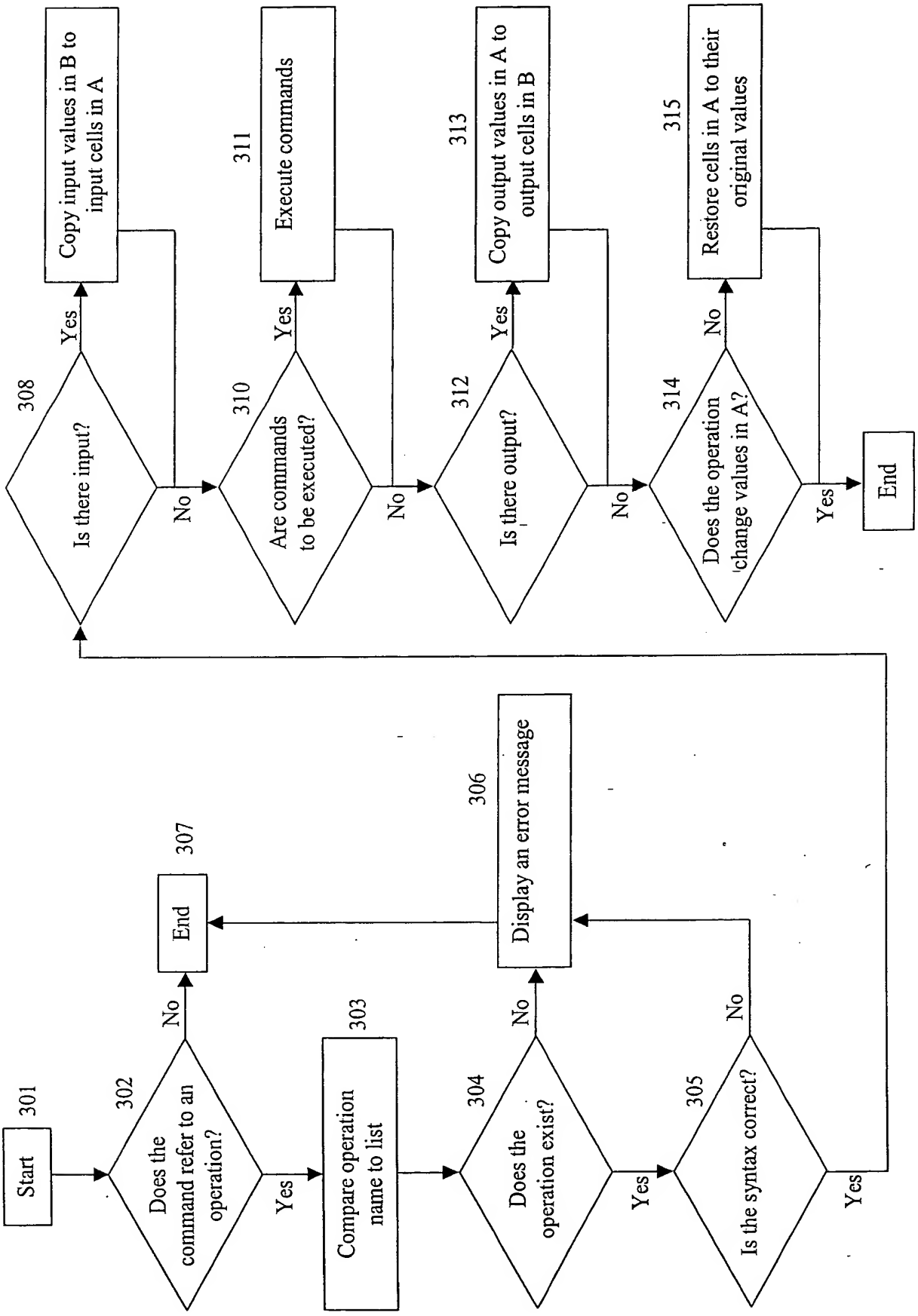
Start
301
Does the command refer to an operation?
302
No
End
307
Yes
Compare operation name to list
303
Does the operation exist?
304
No
Display an error message
306
Yes
Is the syntax correct?
305
No
Yes
Is there input?
308
No
Copy input values in B to input cells in A
Yes
Are commands to be executed?
310
No
Execute commands
311
Yes
Is there output?
312
No
Copy output values in A to output cells in B
313
Yes
Does the operation change values in A?
314
Yes
Restore cells in A to their original values
315
No
End

FIG. 3

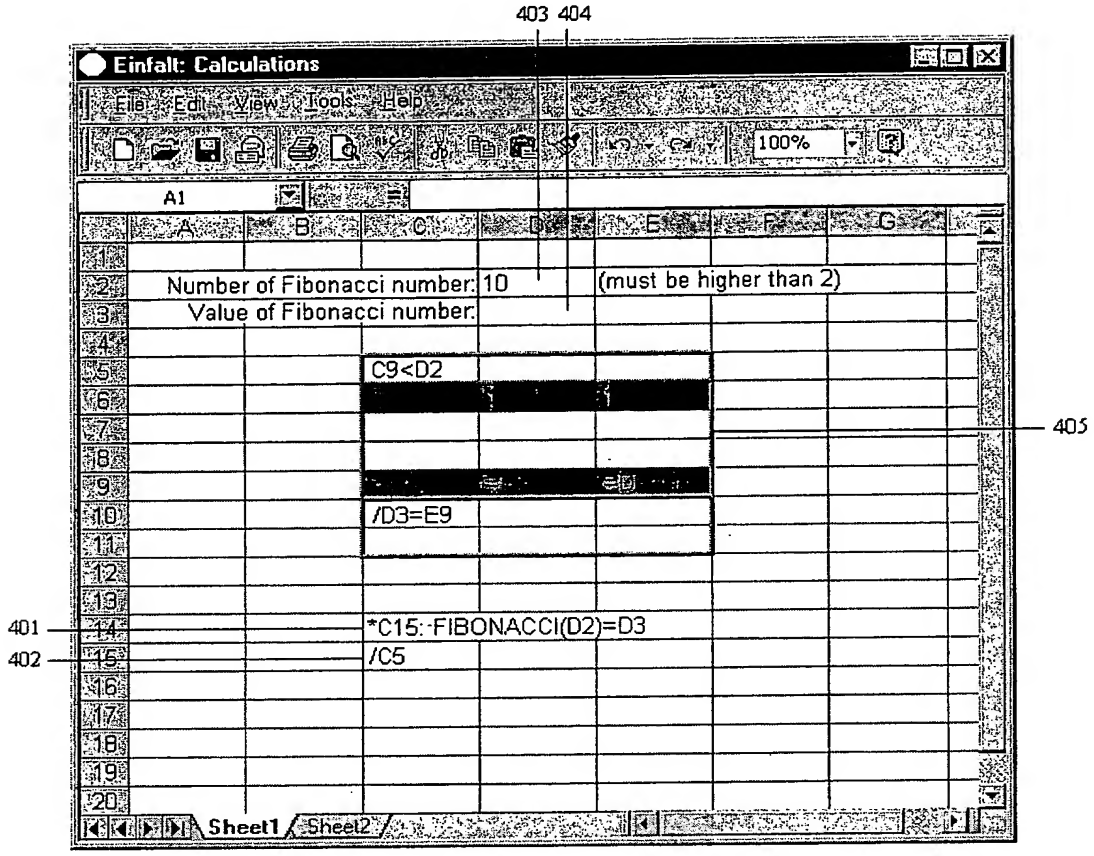
403
404
Einfalt: Calculations
File Edit View Tools Help
100%
A1
Number of Fibonacci number:
10
(must be higher than 2)
Value of Fibonacci number:
C9<D2
/D3=E9
*C15:=FIBONACCI(D2)=D3
/C5
Sheet1
Sheet2
401
402
405

FIG. 4

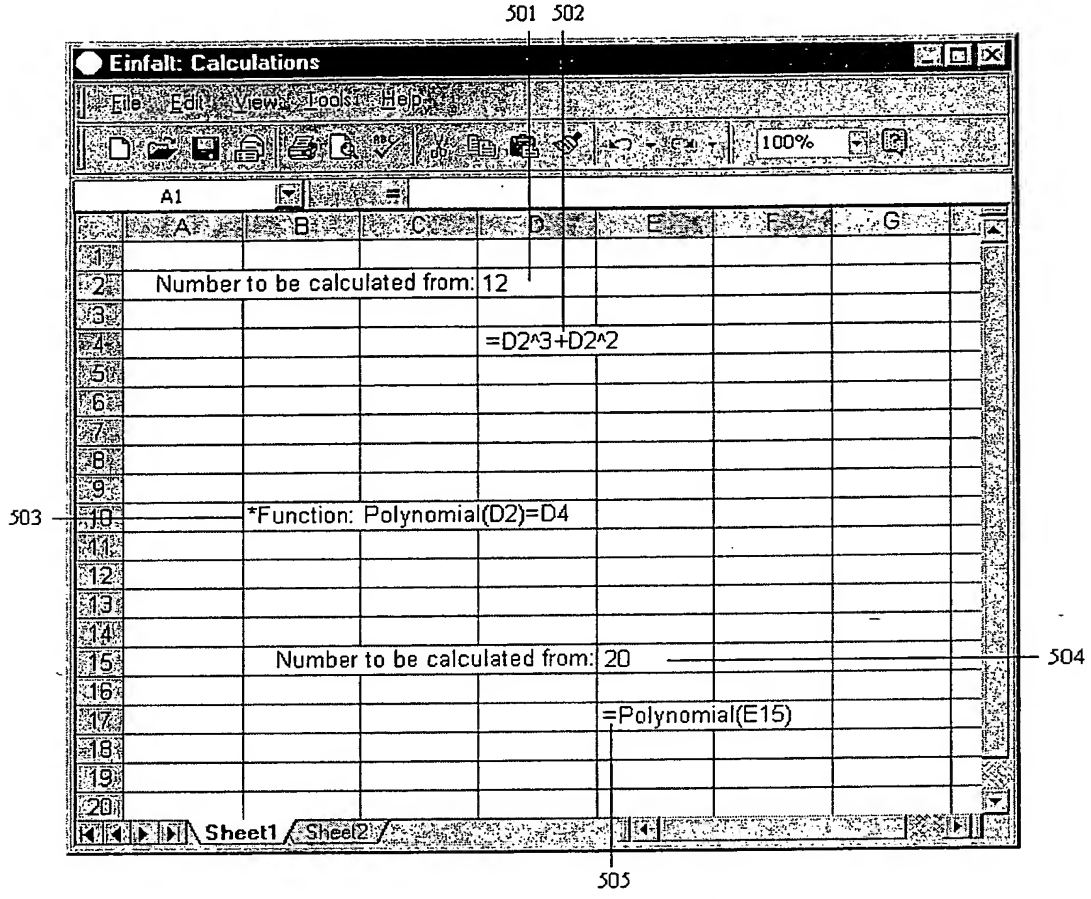
501
502
Einfalt: Calculations
File Edit View Tools Help
100%
A1
A B C D E F G
Number to be calculated from: 12
=D2^3+D2^2
503
*Function: Polynomial(D2)=D4
Number to be calculated from: 20
504
=Polynomial(E15)
505
Sheet1 Sheet2

FIG. 5

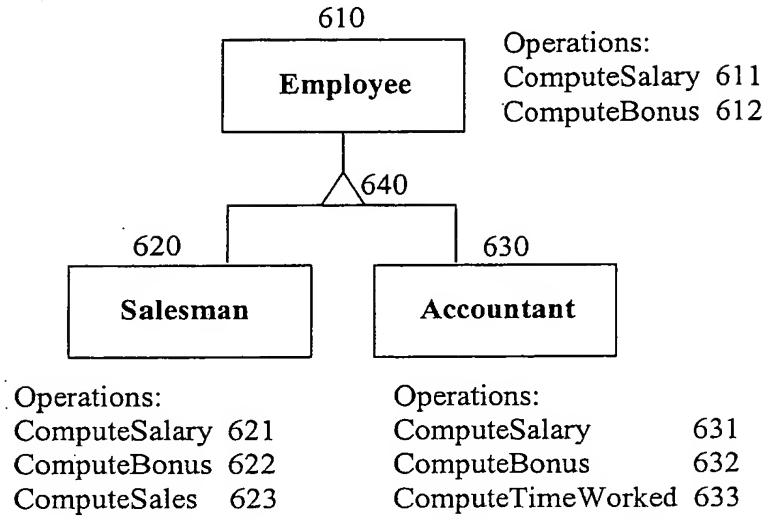
610
Employee
Operations:
ComputeSalary 611
ComputeBonus 612
640
620
630
Salesman
Accountant
Operations:
ComputeSalary 621
ComputeBonus 622
ComputeSales 623
Operations:
ComputeSalary 631
ComputeBonus 632
ComputeTimeWorked 633

FIG. 6

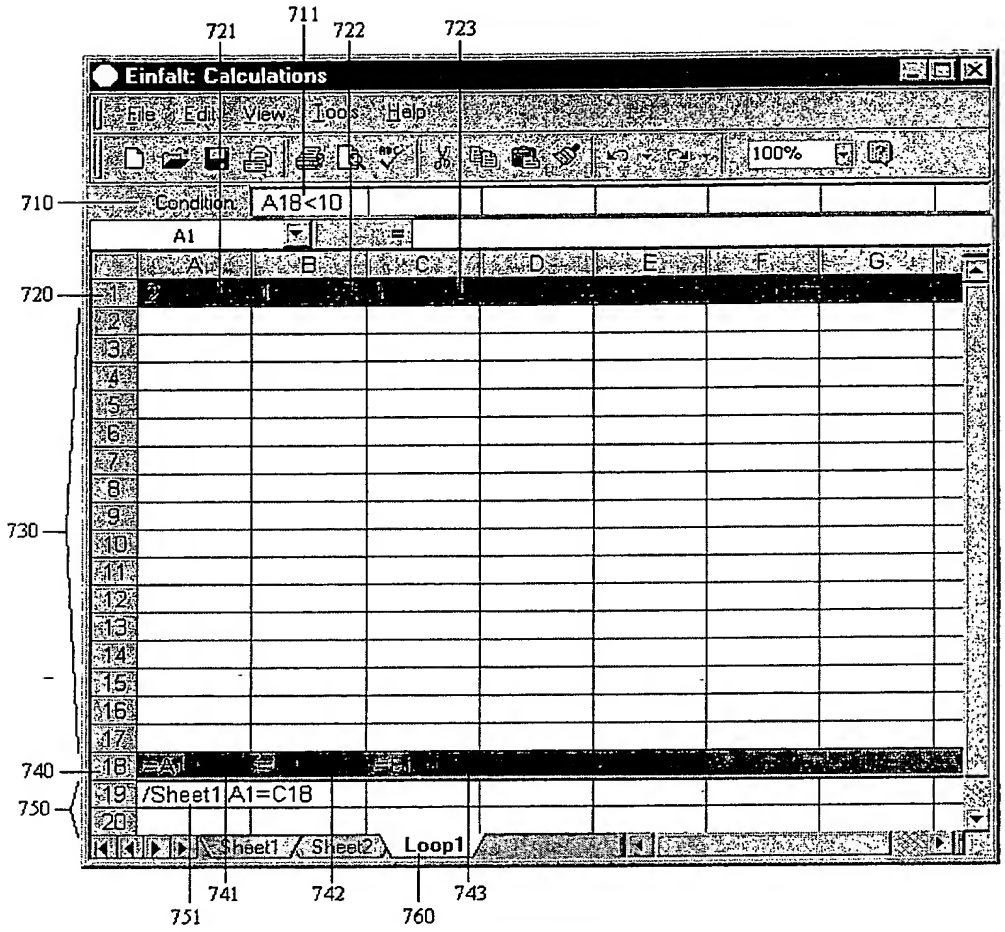
711
721
722
723
Einfalt: Calculations
File Edit View Tools Help
100%
710
Condition: A18<10
A1
720
730
740
750
=A1
/Sheet1 A1=C18
Sheet1 Sheet2 Loop1
751
741
742
760
743

FIG. 7

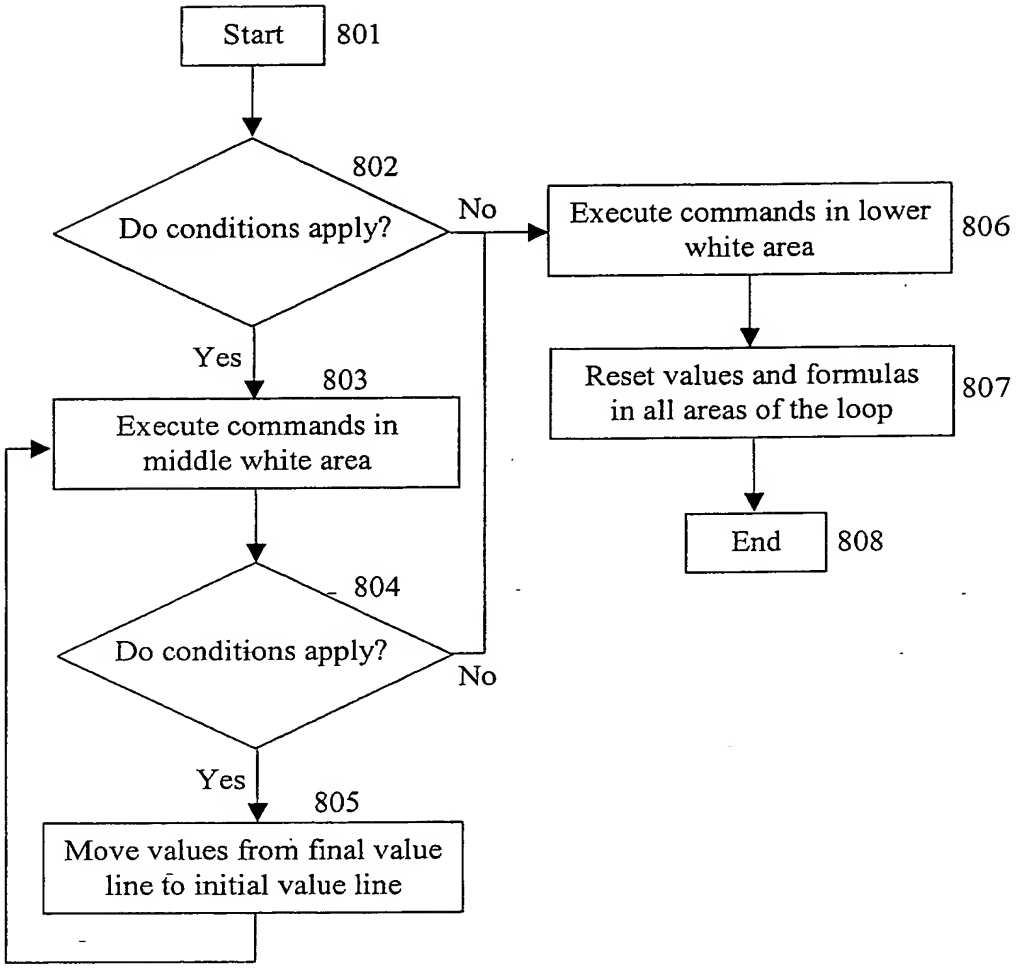
Start
801
802
Do conditions apply?
No
Execute commands in lower white area
806
Yes
803
Execute commands in middle white area
Reset values and formulas in all areas of the loop
807
End
808
804
Do conditions apply?
No
Yes
805
Move values from final value line to initial value line

FIG. 8

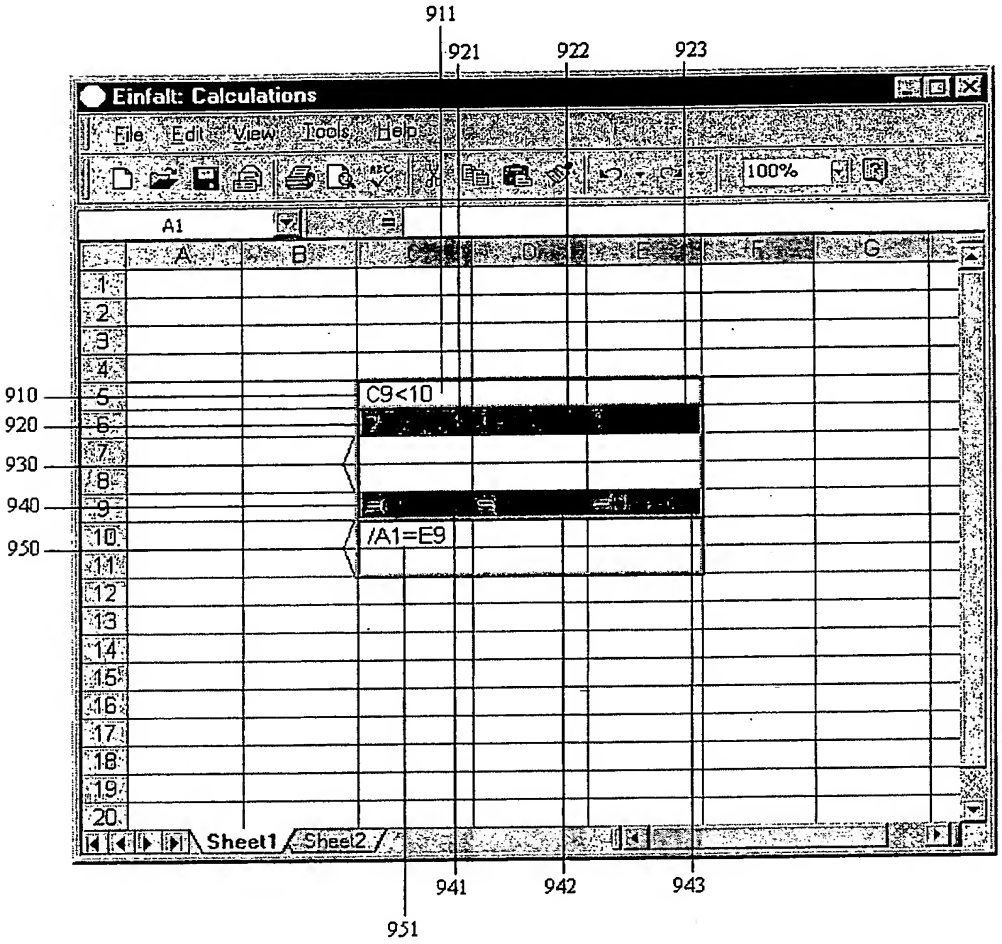
911
921
922
923
Einfalt: Calculations
File Edit View Tools Help
100%
A1
C9<10
/A1=E9
Sheet1
Sheet2
910
920
930
940
950
941
942
943
951

FIG. 9

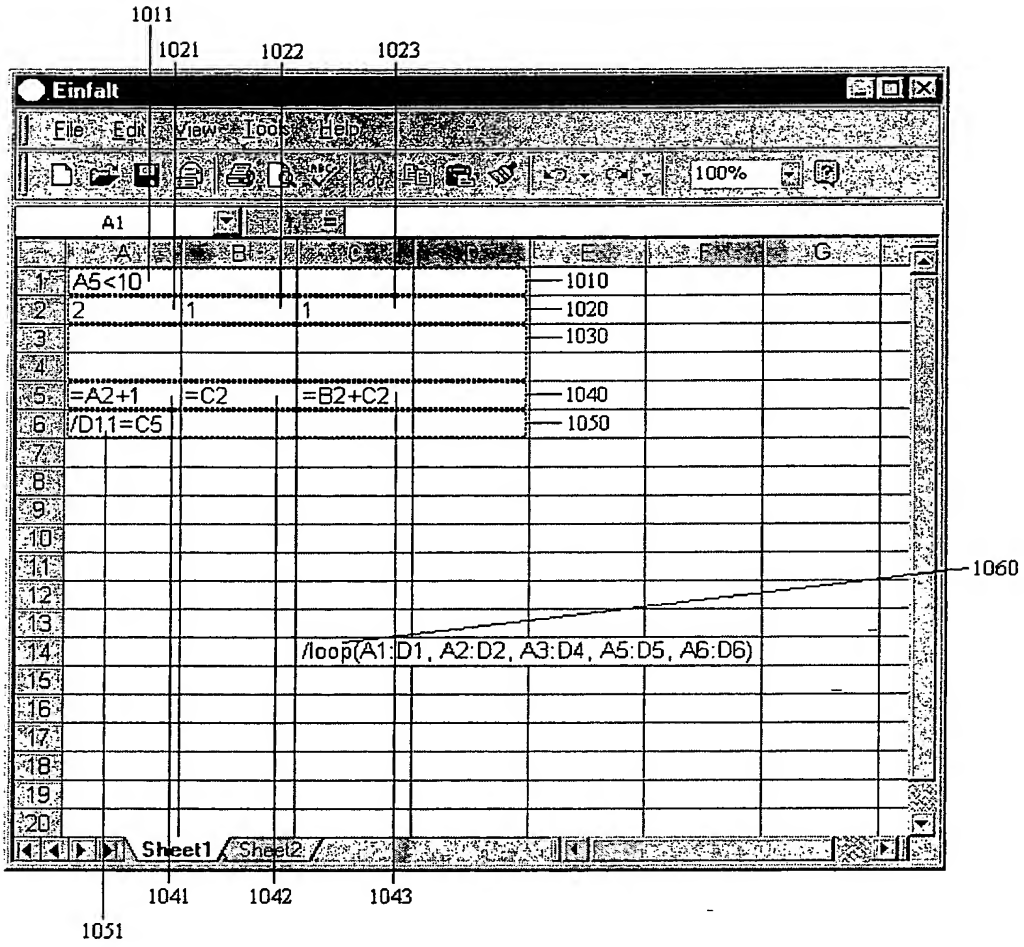
1011
1021
1022
1023
Einfalt
File Edit View Tools Help
100%
A1
A5<10
2
1
1
=A2+1
=C2
=B2+C2
/D1.1=C5
1010
1020
1030
1040
1050
1060
/loop(A1:D1, A2:D2, A3:D4, A5:D5, A6:D6)
Sheet1
Sheet2
1041
1042
1043
1051

FIG. 10

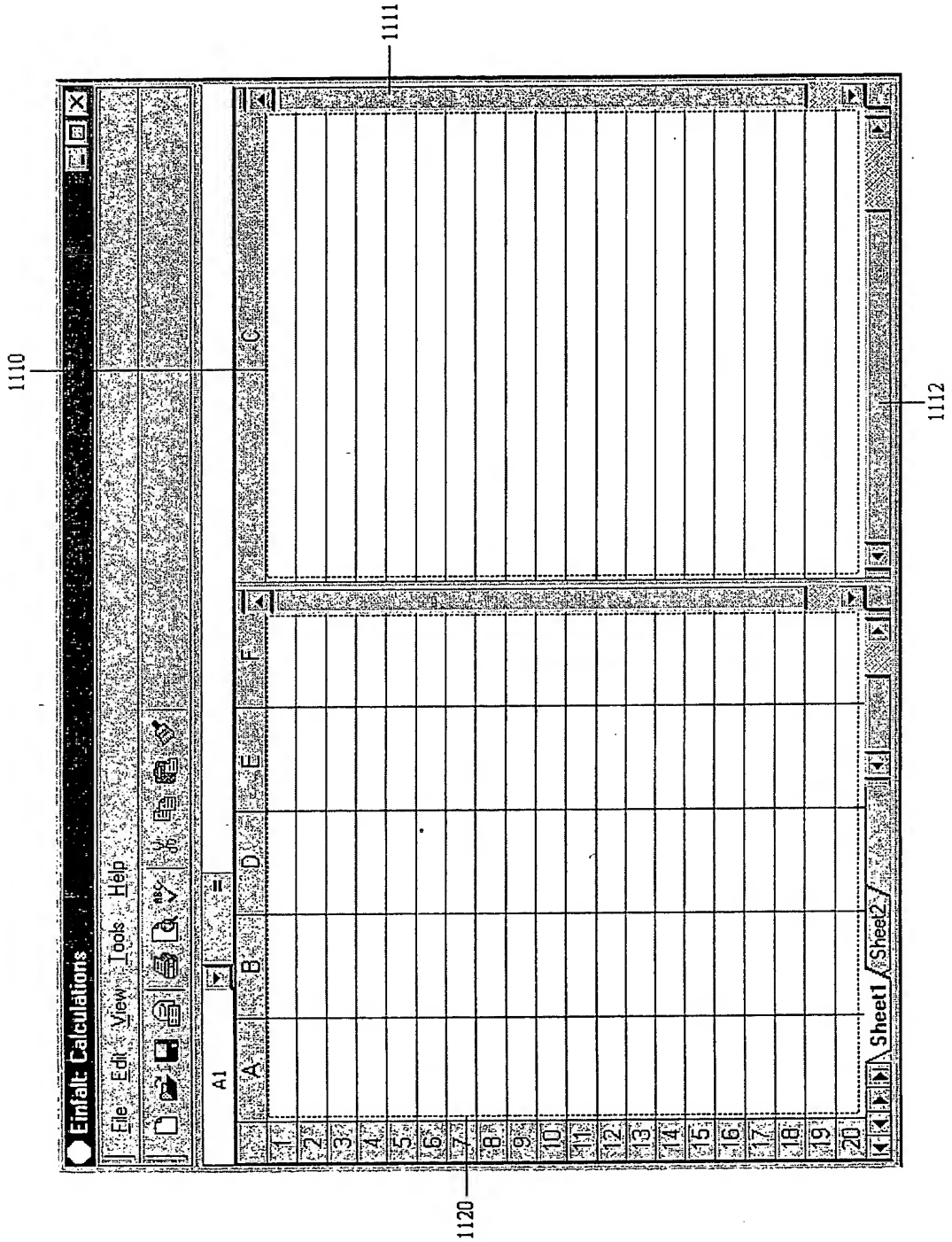
1111
1110
1112
1120
Einfalt Calculations
File Edit View Tools Help
A1
A B C D E F
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Sheet1 Sheet2

FIG. 11

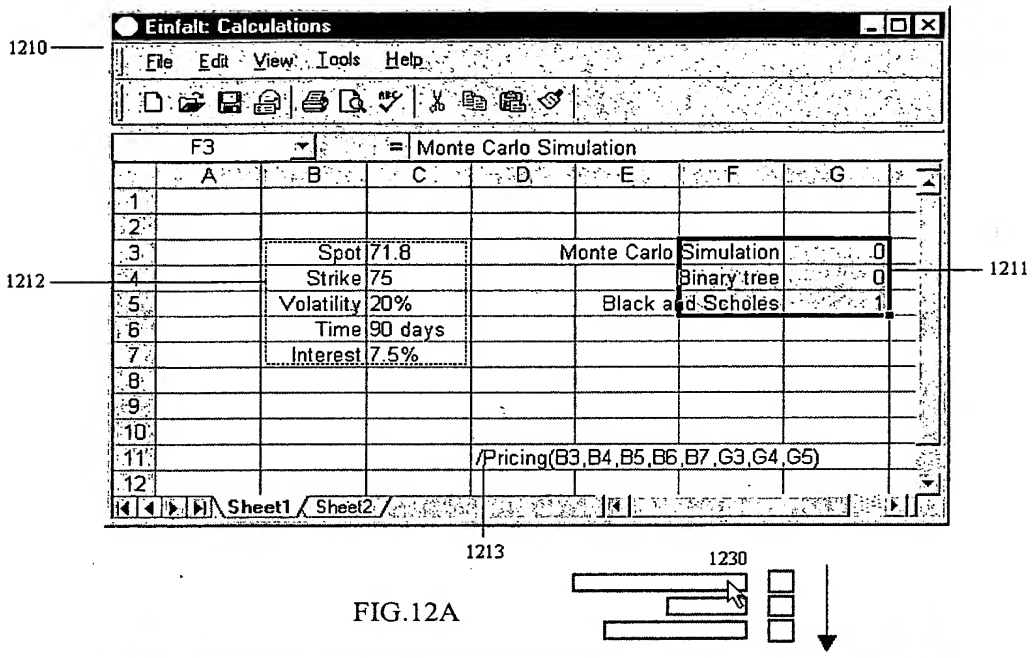

FIG.12A

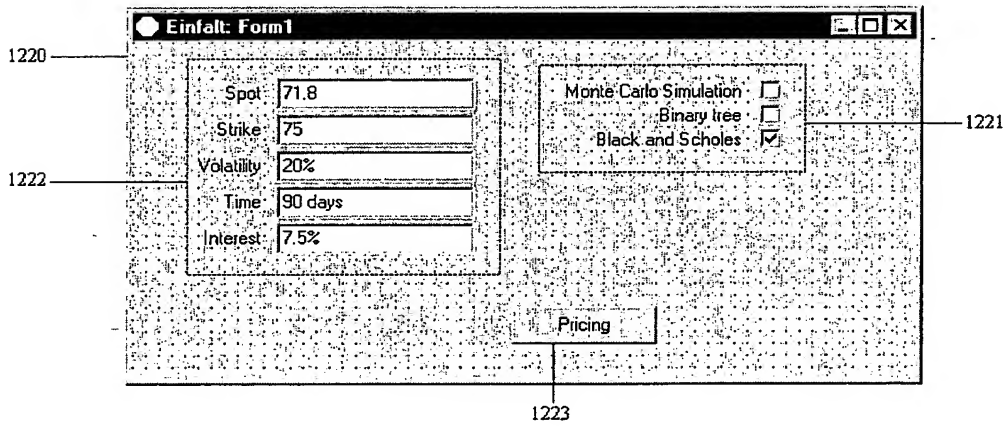

FIG. 12B

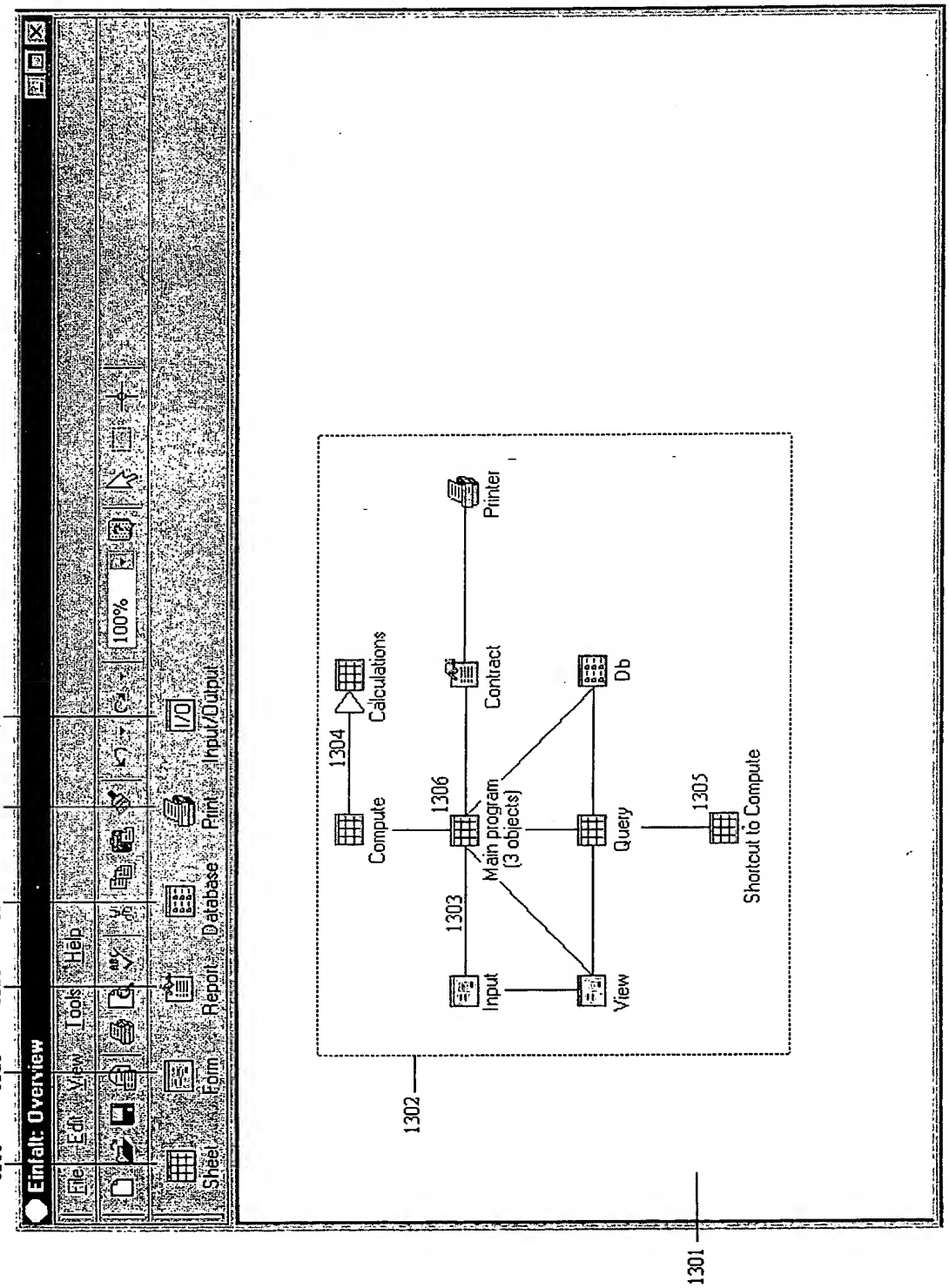
Default: Overview
File
Edit
View
Tools
Help
100%
Shell
Form
Report
Database
Print
Input/Output
I/O
1310
1320
1330
1340
1350
1360
1301
1302
1303
1304
1305
1306
Input
View
Main program
(3 objects)
Compute
Calculations
Contract
Printer
Query
Db
Shortcut to Compute

FIG. 13

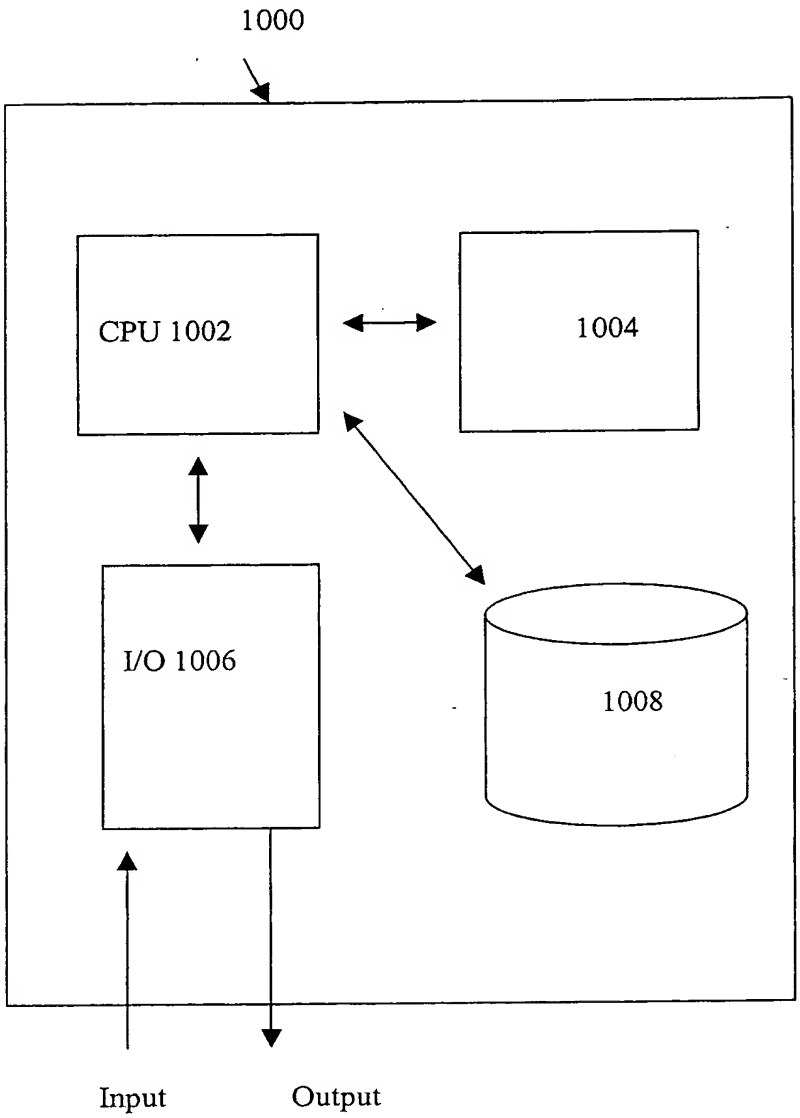

Fig. 14

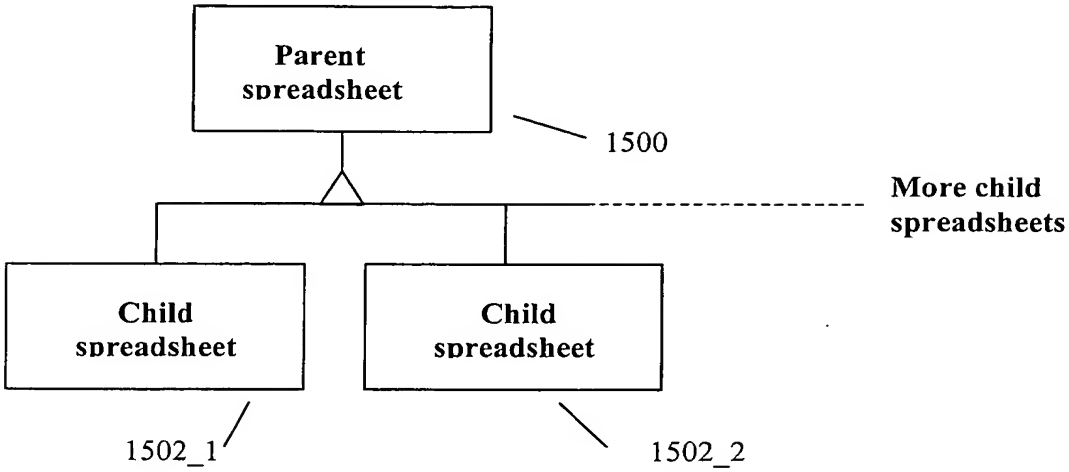
Parent spreadsheet
1500
More child spreadsheets
Child spreadsheet
Child spreadsheet
1502_1
1502_2

Fig. 15

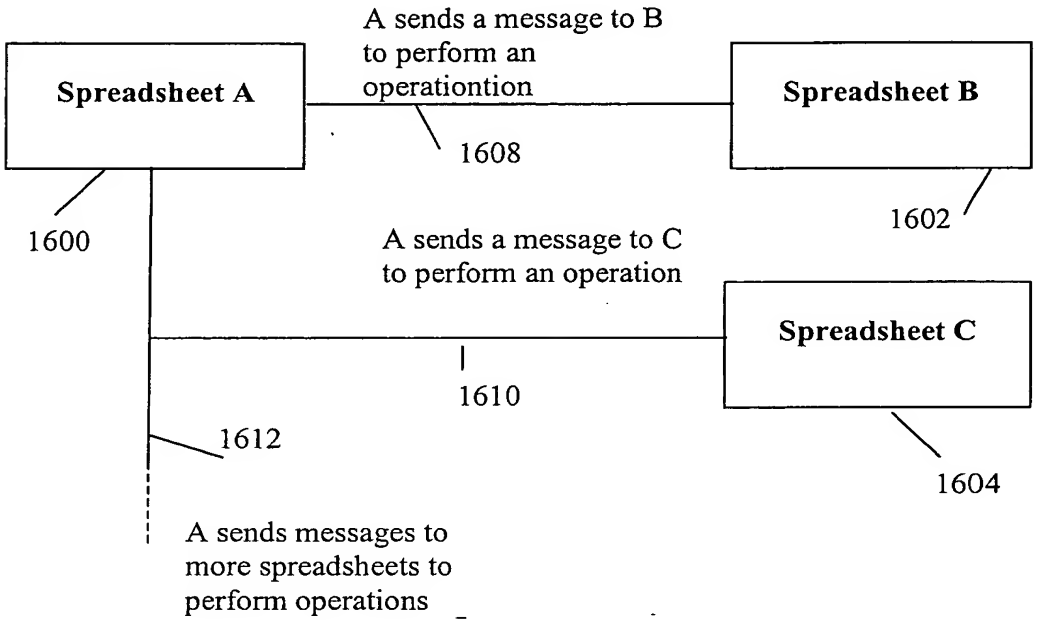
A sends a message to B to perform an operationtion
Spreadsheet A
Spreadsheet B
1608
1600
1602
A sends a message to C to perform an operation
Spreadsheet C
1610
1612
1604
A sends messages to more spreadsheets to perform operations

Fig. 16

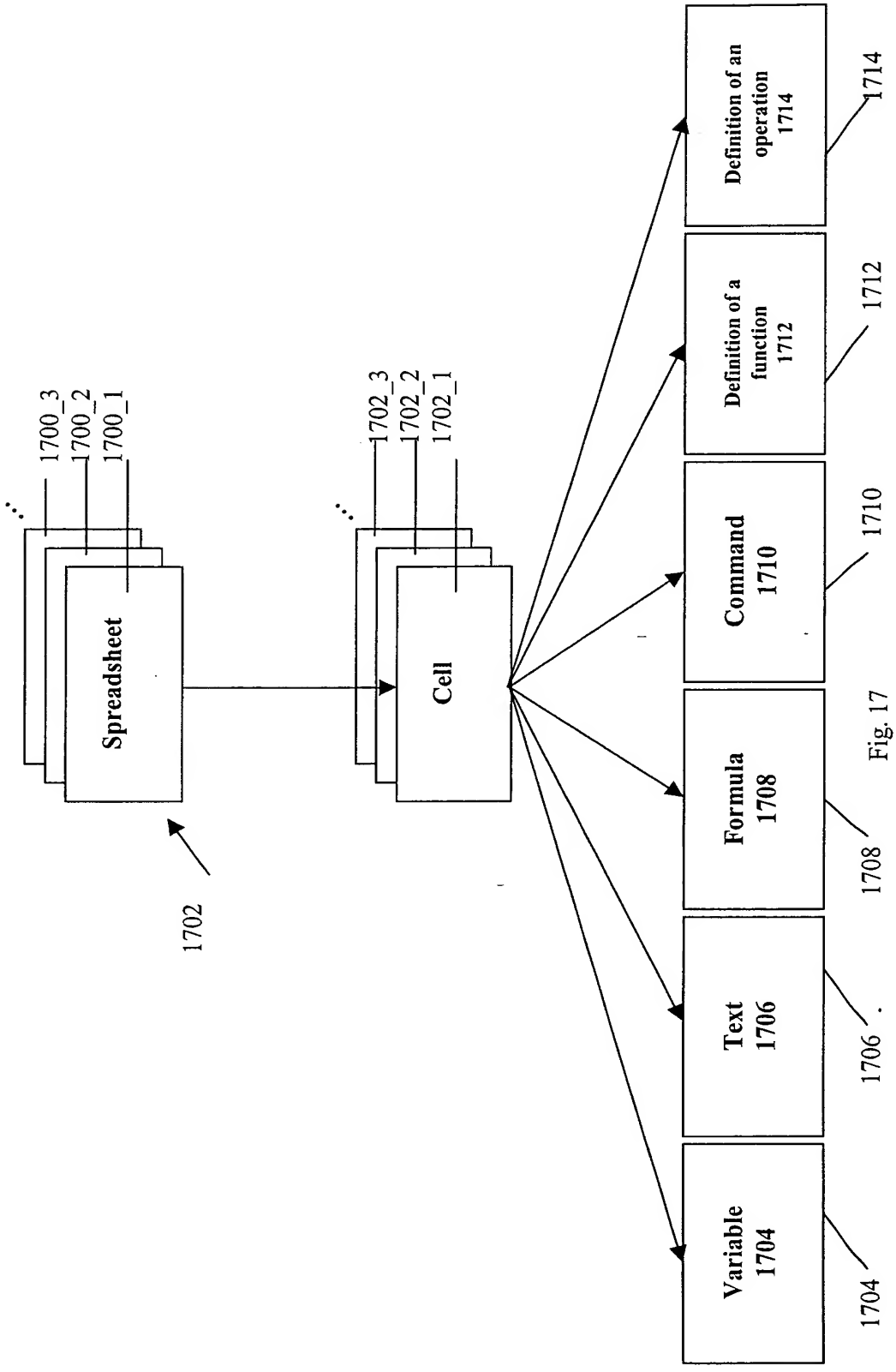
Spreadsheet
1700_3
1700_2
1700_1
1702
Cell
1702_3
1702_2
1702_1
Definition of an operation 1714
Definition of a function 1712
Command 1710
Formula 1708
Text 1706
Variable 1704
1714
1712
1710
1708
1706
1704

Fig. 17